FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES
FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

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Bureau des Publications SIIG - Bulletin Mensuel n°97-07 - Juillet 1997
ISGI Publications Office Monthly Bulletin n°97-07-July 1997

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Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.

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Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.

PRELIMINARY REPORT ON RAPID VARIATIONS — *JULY 1997*

SSC - Storm Sudden Commencements

15 03 11	C :	WNG NGK COI SPT LNP

SFE - Solar Flare Effects

06	1130-1158	NGK
22	0245-0306	BDV (si : HRB)
31	0045-0051	QUE (si : SPT)

REPORTING OBSERVATORIES *(up to th 2nd of September 1997) :*

SOD DOB NUR WNG NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT FRD
KAK HTY KNY QUE LNP HYB ETT HER CNB

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
July 1997	14	12	13	29	1	31*	7*	15*	24*	9*

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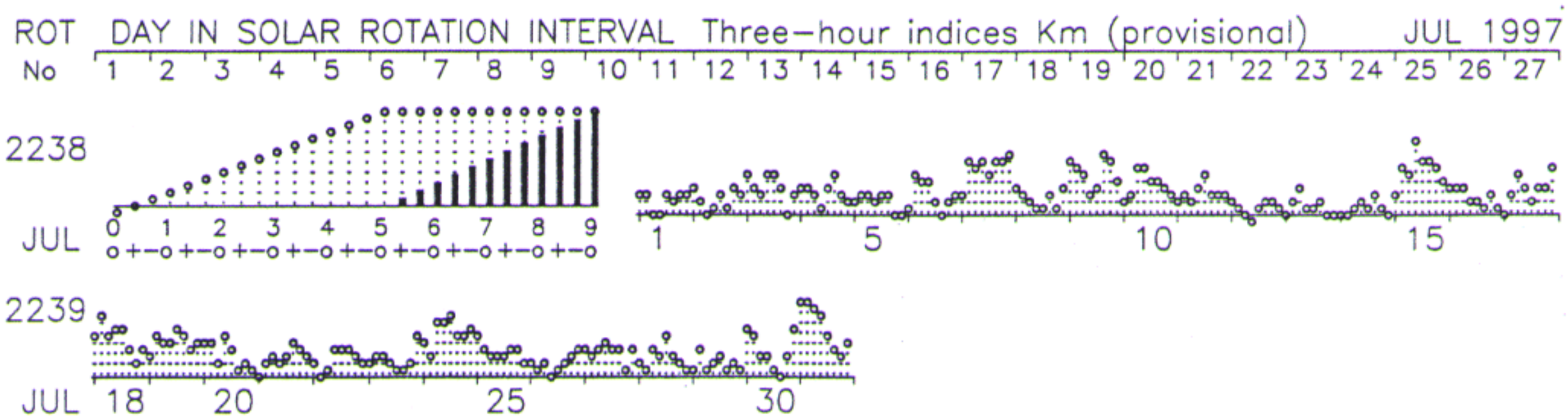
JULY 1997	Geomagnetic Indices (provisional)																Daily Average and Sum			
	aa					quiet	am and Km for each three hour interval													
	N	S	am	pm	D	days	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	9	7	6	10	8	C C *	9 1+	10 1+	2 0+	3 0+	8 1+	7 1o	8 1+	8 1+	7	8+	4	7+
2	10	7	6	11	9	C C	12 2-	7 1o	2 0+	4 1-	8 1+	5 1-	12 2-	10 1+	8	9-	4	8o
3	14	9	10	12	11	C C	17 2+	12 2-	8 1+	18 2+	17 2+	11 2-	3 0+	8 1+	12	13+	6	12o
4	14	10	9	15	12	C C	12 2-	11 2-	8 1+	5 1-	12 2-	17 2+	9 1+	7 1o	10	12-	6	12o
5	8	7	8	6	7	C C	6 1o	10 1+	8 1+	6 1o	8 1+	8 1+	2 0+	3 0+	6	8o	4	8-
6	11	7	11	7	9	C K	5 1-	18 2+	15 2o	15 2o	6 1o	3 0+	6 1o	8 1+	10	11-	4	8o
7	35	20	19	36	28		8 1+	27 3o	26 3-	28 3o	19 2+	32 3o	31 3o	39 3+	26	22-	15	22+
8	10	7	7	10	8	C	11 2-	10 1+	7 1o	5 1-	4 1-	9 1+	4 1-	11 2-	8	9o	4	8-
9	24	18	15	27	21		27 3o	23 3-	17 2+	8 1+	13 2-	35 3+	30 3o	16 2o	21	19+	11	18+
10	11	17	16	12	14		7 1o	10 1+	23 3-	21 3-	14 2o	14 2o	11 2-	8 1+	14	15-	6	12o
11	10	14	10	14	12	C C	6 1o	10 1+	6 1o	13 2-	17 2+	10 1+	9 1+	9 1+	10	11+	4	8+
12	7	3	5	5	5	C C *	7 1o	5 1-	2 0+	1 0o	4 1-	6 1o	6 1o	5 1-	5	5+	3	5-
13	6	5	5	6	5	C C *	2 0+	7 1o	11 2-	4 1-	4 1-	6 1o	3 0+	3 0+	5	6o	3	6o
14	6	4	4	7	5	C K *	3 0+	3 0+	4 1-	6 1o	5 1-	8 1+	4 1-	3 0+	5	5+	2	4o
15	21	24	22	23	22		10 1+	21 3-	18 2+	51 4o	33 3o	28 3o	22 3-	14 2o	25	21o	12	20o
16	10	5	7	8	7	C K	13 2-	12 2-	12 2-	6 1o	6 1o	4 1-	8 1+	5 1-	8	10-	5	10-
17	15	8	9	15	12	C K	3 0+	8 1+	19 2+	12 2-	7 1o	12 2-	12 2-	21 3-	12	13-	6	12+
18	17	17	20	14	17		19 2+	35 3+	19 2+	22 3-	21 3-	12 2-	6 1o	11 2-	18	18-	8	16+
19	24	15	19	21	20		10 1+	17 2+	16 2o	16 2o	24 3-	17 2+	13 2-	16 2o	16	16+	8	17o
20	13	11	17	7	12	K K	16 2o	14 2o	6 1o	19 2+	13 2-	5 1-	6 1o	4 1-	10	11+	5	11o
21	12	8	7	12	10	C C	3 0+	7 1o	8 1+	6 1o	8 1+	14 2o	11 2-	8 1+	8	10o	5	10o
22	10	7	6	11	9	C C	6 1o	3 0+	5 1-	11 2-	13 2-	11 2-	9 1+	6 1o	8	9+	4	9+
23	10	6	7	10	8	C C	7 1o	10 1+	8 1+	6 1o	5 1-	4 1-	6 1o	19 2+	8	9+	4	9o
24	20	26	18	28	23		14 2o	8 1+	29 3o	33 3o	36 3+	18 2+	19 2+	24 3-	23	20o	11	20-
25	13	7	10	9	10	C K	18 2+	13 2-	8 1+	10 1+	9 1+	13 2-	11 2-	6 1o	11	12+	5	10o
26	8	4	4	8	6	C C	7 1o	5 1-	7 1o	2 0+	5 1-	6 1o	8 1+	12 2-	7	8-	4	7+
27	10	8	8	9	9	C C	11 2-	10 1+	12 2-	14 2o	12 2-	12 2-	5 1-	12 2-	11	12+	5	11-
28	13	6	8	12	10	C C	7 1o	4 1-	12 2-	10 1+	17 2+	9 1+	7 1o	5 1-	9	10o	5	10-
29	7	6	6	7	7	C C *	5 1-	11 2-	5 1-	6 1o	8 1+	5 1-	6 1o	4 1-	6	8-	4	7o
30	16	8	13	11	12	C	25 3-	20 2+	8 1+	8 1+	5 1-	3 0+	9 1+	22 3-	13	13-	7	12-
31	34	21	39	17	28		51 4o	56 4o	43 4-	37 3+	17 2+	11 2-	9 1+	16 2o	30	22+	15	22+



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Dst monthly table of hourly indices - July 1997

HOURLY EQUATORIAL DST VALUES(PROVISIONAL)

JULY 1997

UNIT=NT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	U.T. 24
1	-16	-10	-6	-6	-7	-4	-4	-4	-3	-3	-4	-5	-5	-6	-6	-4	-4	-5	-5	-6	-6	-8	-10	-7
2	-5	-2	-1	-1	-2	-2	-3	-2	-1	-2	-1	0	0	0	-1	-1	0	-2	-2	-5	-10	-10	-8	-5
3	-2	-1	1	3	0	-1	0	7	14	18	12	7	3	-3	-7	-5	-4	-3	-2	-5	-7	-8	-8	-6
4	-6	-8	-7	-3	-2	-3	-4	-4	-2	0	2	-1	0	1	-2	-2	-4	-4	-2	0	-1	-4	-5	-4
5	0	5	7	5	5	2	1	3	5	6	6	4	2	-2	-5	-2	-3	-2	0	2	0	-3	-2	-1
6	0	2	3	3	1	-4	-8	-9	-6	-7	-4	-5	-4	-2	-2	1	1	1	2	0	-3	-5	-5	-1
7	4	7	8	4	4	2	-3	-4	-8	-8	-4	-4	-6	-5	-7	0	-8	-11	-11	-17	-20	-17	-13	-15
8	-16	-16	-15	-15	-16	-17	-15	-14	-13	-12	-9	-9	-8	-9	-9	-9	-9	-8	-5	-7	-10	-12	-13	-13
9	-12	-9	-10	-16	-14	-13	-13	-10	-6	-5	-1	-1	-2	-4	-7	-14	-20	-25	-29	-32	-33	-27	-19	-19
10	-19	-16	-17	-20	-20	-21	-24	-25	-23	-14	-7	-6	-10	-8	-9	-12	-13	-13	-14	-14	-14	-13	-12	-14
11	-14	-13	-12	-13	-13	-10	-13	-15	-12	-10	-6	-4	-3	-8	-12	-11	-12	-10	-6	-3	-6	-7	-4	-1
12	2	2	-2	-5	-3	-2	-3	-1	-2	-3	-3	-5	-5	-4	-3	-2	-5	-5	-2	1	3	2	0	-1
13	-1	2	5	6	3	0	0	-2	-4	-2	-2	-1	0	-2	-3	-2	2	0	-3	-3	-2	0	4	3
14	1	-2	-4	-4	-2	0	1	0	1	2	3	7	9	10	9	8	6	6	3	1	1	1	1	0
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16	-22	-20	-17	-18	-20	-21	-22	-20	-14	-11	-10	-8	-7	-9	-11	-13	-15	-14	-12	-10	-9	-14	-11	-9
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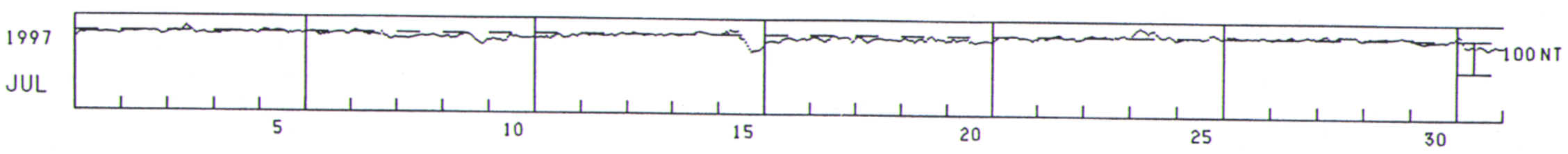
23	0	3	6	7	6	3	1	2	3	3	6	1	1	0	-1	3	2	2	5	7	7	3	0	2
24	10	15	22	27	30	27	25	20	14	21	23	22	14	12	5	1	1	0	6	8	4	-1	-8	-7
25	-5	-4	-1	1	-1	1	0	0	-1	-2	0	-2	-3	-2	-2	2	9	11	11	8	6	0	-1	-2
26	0	7	8	5	7	5	3	3	1	0	3	3	3	2	1	3	4	2	6	5	6	1	1	0
27	-2	0	4	6	4	1	0	1	5	8	9	5	0	1	1	4	4	5	7	5	4	5	1	1
28	5	6	9	12	12	5	0	-2	0	5	9	10	10	7	9	8	9	7	9	7	1	-1	-3	-2
29	-1	2	5	4	3	3	4	5	6	6	7	5	3	3	6	6	6	8	9	8	6	6	5	5
30	5	-2	-4	-5	-7	-9	-9	-7	-5	-6	-5	-6	-5	-3	-4	-3	-4	-5	-3	2	3	2	7	10
31	16	11	-6	-17	-19	-21	-16	-15	-20	-21	-16	-14	-16	-17	-22	-26	-26	-23	-20	-16	-18	-19	-19	-19



Note: The baselines for the observatories were adjusted for secular change for the Provisional Dst values for July 1997.